

Laporan Proyek Pengembangan Aplikasi Web

Aplikasi Web Peminjaman Buku



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1. Pendahuluan

a. Latar Belakang:

Di era digital saat ini, kemudahan dalam mengakses informasi dan layanan menjadi kebutuhan utama bagi masyarakat. Salah satu bidang yang merasakan dampak digitalisasi adalah pengelolaan perpustakaan. Sistem peminjaman buku secara manual sering kali menjadi kendala, baik bagi pengguna maupun pengelola, seperti proses yang memakan waktu, pencatatan yang kurang akurat, dan risiko kehilangan data.

Aplikasi web peminjaman buku hadir sebagai solusi untuk mengatasi permasalahan tersebut. Dengan memanfaatkan teknologi informasi, aplikasi ini memungkinkan pengelolaan perpustakaan menjadi lebih efisien, akurat, dan mudah diakses. Aplikasi ini dirancang untuk membantu pengguna dalam meminjam, mengembalikan, dan melacak buku secara online, sehingga meningkatkan pengalaman pengguna dan efisiensi operasional perpustakaan.

b. Tujuan:

Tujuan dari pengembangan aplikasi web peminjaman buku ini adalah sebagai berikut:

1. Membuat sistem peminjaman buku yang terintegrasi dan mudah digunakan.
2. Meningkatkan efisiensi dalam pengelolaan data peminjaman dan stok buku.
3. Memberikan akses kepada pengguna untuk memeriksa ketersediaan buku secara real-time.
4. Meminimalkan kesalahan dalam pencatatan manual melalui digitalisasi proses.

c. Batasan Masalah:

Fitur-fitur yang akan dikembangkan

- Sisi User

1. Halaman buku : Halaman ini menampilkan detail buku yang dipilih oleh pengguna, termasuk judul, penulis, sinopsis, tahun terbit, serta informasi ketersediaan buku.

- Sisi Admin

1. Dashboard : Dasbor yang memberikan tampilan ringkas data aplikasi seperti jumlah total pengguna, jumlah buku yang tersedia, statistik peminjaman, dan notifikasi terbaru. Dasbor ini dirancang untuk memberikan gambaran cepat kepada admin tentang aktivitas di aplikasi.
2. Manajemen pengguna : Fitur untuk mengelola data pengguna aplikasi, termasuk menambah, menghapus, atau memblokir pengguna. Admin dapat memantau aktivitas pengguna dan memastikan bahwa pengguna mematuhi aturan peminjaman yang ditetapkan.
3. Manajemen buku : Fitur ini memungkinkan admin untuk menambahkan, mengedit, atau menghapus data buku yang tersedia dalam sistem. Admin dapat mengatur informasi buku seperti judul, penulis, deskripsi, kategori, dan status ketersediaan.
4. Manajemen peminjaman buku : Admin dapat mengelola data peminjaman yang meliputi melihat daftar buku yang sedang dipinjam, serta mencatat tanggal peminjaman. Fitur ini membantu admin dalam memantau aktivitas peminjaman secara efisien.
5. Fitur login yang khusus untuk admin agar dapat mengakses dashboard dan fitur manajemen lainnya. Hanya admin yang terdaftar yang memiliki hak akses untuk masuk ke bagian ini, sehingga keamanan sistem lebih terjaga.

Fitur-fitur yang tidak dikembangkan

- Sisi User
 1. Rekomendasi Buku Berdasarkan Preferensi: Sistem cerdas untuk merekomendasikan buku berdasarkan riwayat peminjaman pengguna
- Sisi Admin
 1. Manajemen pengembalian buku : Admin dapat mengelola data pengembalian buku yang meliputi melihat daftar buku yang sudah dikembalikan.

2. Perancangan Sistem

a. Rancangan Semula/Awal

1) Rancangan Database :

Tabel anggota

Kolom	Type Data	Width
Nis (Primary Key)	INT	9
nama_anggota	VARCHAR	100
alamat	TEXT	100
nomor_telepon	VARCHAR	15
email	VARCHAR	100
tanggal_daftar	DATE	
password	VARCHAR	100

Tabel buku

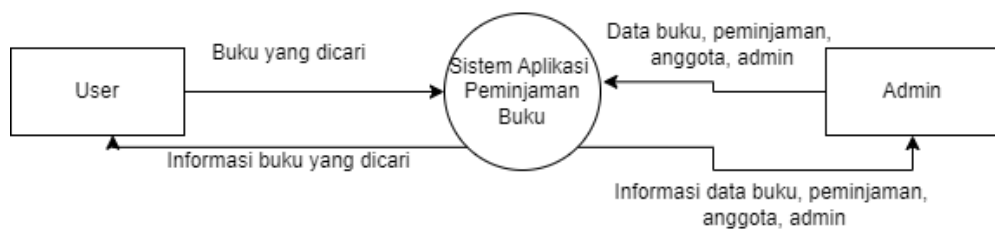
Kolom	Type Data	Width
kode_buku (Primary Key)	VARCHAR	12
judul_buku	VARCHAR	150
penulis	VARCHAR100	100

kategori	VARCHAR	50
stok_buku	INT	12

Tabel admin

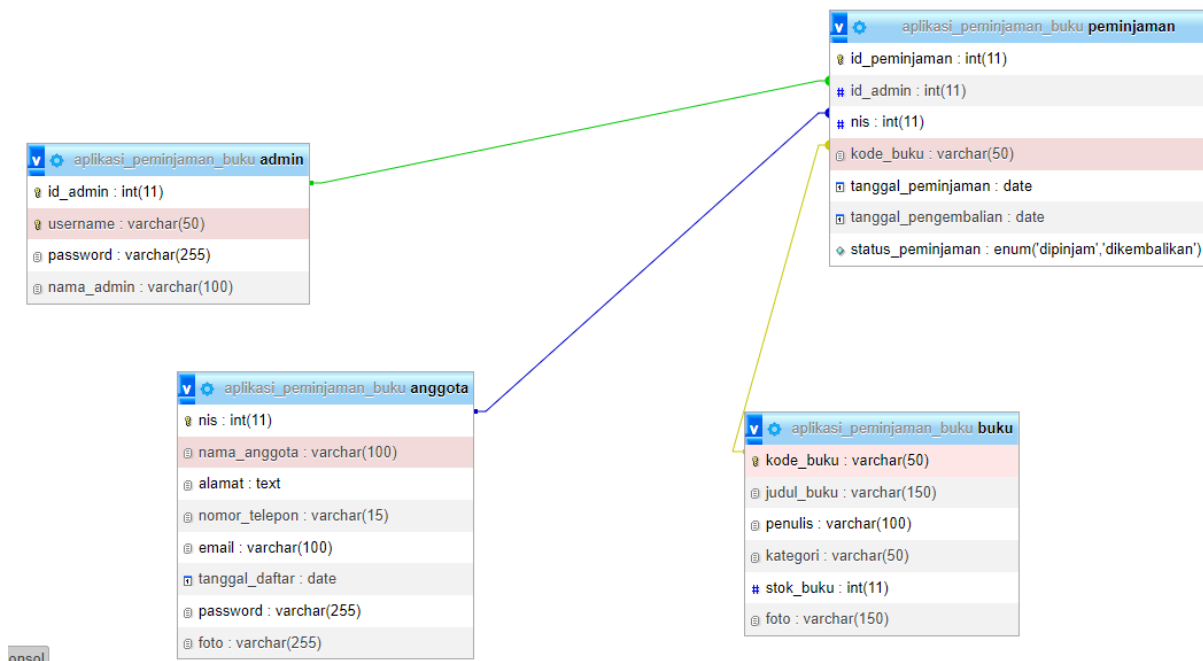
Kolom	Type Data	Width
id_admin (Primary Key)	INT	9
username	VARCHAR	50
password	VARCHAR	255
nama_admin	VARCHAR	100

2) **Data flow diagram (DFD) level 0 :**

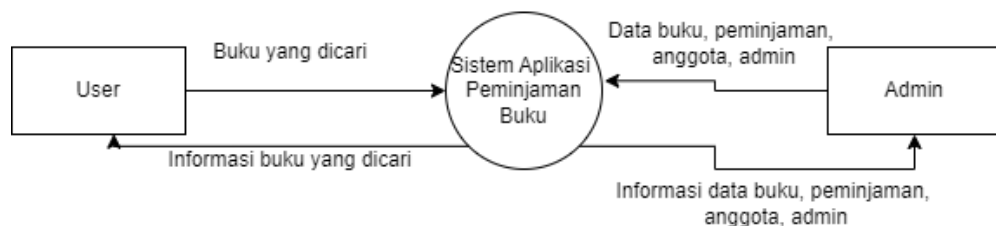


b. Realisasi

1) Realisasi database



2) realisasi DFD



3. Teknologi

Dalam pengembangan aplikasi web peminjaman buku ini, teknologi utama yang digunakan adalah framework CodeIgniter 3, MySQL, dan Laragon dan Tailwind. Pemilihan teknologi ini didasarkan pada beberapa alasan berikut:

1. Code Igniter 3

- **Ringan dan Cepat:** CodeIgniter 3 memiliki ukuran kecil dan kinerja yang cepat, sehingga sangat cocok untuk aplikasi dengan kebutuhan responsif seperti sistem peminjaman buku.
- **Kemudahan Penggunaan:** Framework ini memiliki struktur MVC (Model-View-Controller) yang sederhana, sehingga mempermudah proses pengembangan dan pemeliharaan aplikasi.
- **Dokumentasi Lengkap:** CodeIgniter menyediakan dokumentasi yang lengkap dan mudah dipahami, yang membantu dalam memahami setiap fitur dan fungsinya.

- Keamanan: CodeIgniter dilengkapi dengan fitur-fitur keamanan bawaan seperti XSS Filtering dan CSRF Protection, yang penting untuk melindungi data aplikasi dan pengguna.
- Komunitas Aktif: CodeIgniter memiliki komunitas pengguna yang cukup besar dan aktif, sehingga mempermudah dalam mendapatkan dukungan atau solusi jika terjadi masalah.

2. MySQL

Digunakan sebagai basis data untuk menyimpan informasi pengguna, buku, dan aktivitas peminjaman/pengembalian. MySQL dipilih karena stabilitas, fleksibilitas, dan kompatibilitasnya yang baik dengan CodeIgniter.

3. Laragon

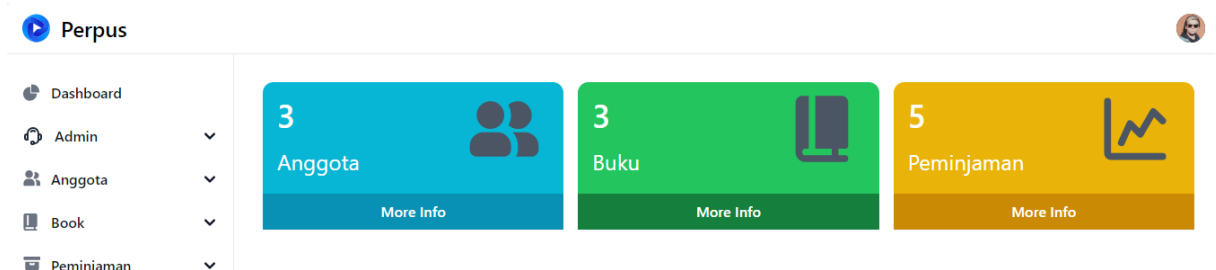
Digunakan sebagai lingkungan server lokal untuk pengembangan dan pengujian aplikasi. Laragon dipilih karena kemudahan instalasi, performa tinggi, dan dukungan terhadap berbagai teknologi (PHP, MySQL, dan lainnya) dalam satu paket yang terintegrasi.

4. Tailwind CSS

Framework CSS yang digunakan untuk mendesain antarmuka pengguna. Tailwind CSS memberikan fleksibilitas tinggi dalam mengatur desain tanpa harus menulis CSS dari awal, memungkinkan pembuatan tampilan yang konsisten, modern, dan responsif.

4. Implementasi

• Dashboard



Dasboard Model

```
<?php
```

```
defined('BASEPATH') OR exit('No direct script access allowed');
```

```
class DashboardModel extends CI_Model {
```

```
    public function __construct() {  
        $this->load->database();  
    }
```

```
    // Fungsi untuk menjumlahkan nilai pada kolom tertentu
```

```
    public function count_nis() {
```

```
        $this->db->where('nis IS NOT NULL'); // Hanya hitung baris yang memiliki  
        nilai
```

```
        return $this->db->count_all_results('anggota'); // Hitung total baris di tabel  
        anggota
```

```
    }
```

```
    public function count_kode_buku() {
```

```
        $this->db->where('kode_buku IS NOT NULL'); // Hanya hitung baris yang  
        memiliki nilai
```

```
        return $this->db->count_all_results('buku'); // Hitung total baris di tabel  
        anggota
```

```
    }
```

```
    public function count_peminjaman() {
```

```
        $this->db->where('id_peminjaman IS NOT NULL'); // Hanya hitung baris  
        yang memiliki nilai
```

```
        return $this->db->count_all_results('peminjaman'); // Hitung total baris di  
        tabel anggota
```

```
    }
```

```
}
```

Dashboard Controller

```
<?php
```



```

defined('BASEPATH') OR exit('No direct script access allowed');

class Dashboard extends CI_Controller {

    public function __construct() {
        parent::__construct();

        $this->load->model('DashboardModel'); // Load DashboardModel

        $this->load->helper('url');
        $this->load->helper('auth_helper');

        check_login(); // Pastikan pengguna sudah login
    }

    public function index() {

        $total_nis = $this->DashboardModel->count_nis();

        // Kirim data ke view
        $data['total_nis'] = $total_nis;

        $total_kode_buku = $this->DashboardModel->count_kode_buku();

        // Kirim data ke view
        $data['total_kode_buku'] = $total_kode_buku;

        $total_peminjaman = $this->DashboardModel->count_peminjaman();

        // Kirim data ke view
        $data['total_peminjaman'] = $total_peminjaman;

        $this->load->view('layout/nav'); // Include navigasi
        $this->load->view('dashboard/index', $data);
    }
}

?>

```

Dashboard index

```

<!DOCTYPE html>

<html lang="en">

```

```

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>Belajar Tailwind</title>

  <script src="https://cdn.tailwindcss.com"></script>

  <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>

</head>

<body>

  <div class="p-4 sm:ml-64">

    <div class="p-4 dark:border-gray-700 mt-14">

      <div class="grid grid-cols-3 gap-4 mb-4">

        <div class="h-40 rounded bg-cyan-500 rounded-xl dark:bg-gray-800
card">

          <div>

            <div class="flex grid grid-cols-2 items-center">

              <div>

                <div class="text-4xl font-semibold text-white pt-4 pl-4">

                  <?php echo $total_nis; ?></div>

                <div class="flex text-white font-normal text-2xl pt-4 pl-
4">Anggota</div>

              </div>

              <div class="justify-items-end pr-5">

                <svg class="text-gray-600 dark:text-white" aria-hidden="true"
xmlns="http://www.w3.org/2000/svg" width="92"
height="92" fill="currentColor"
viewBox="0 0 24 24">

```

```

        <path fill-rule="evenodd"
            d="M8 4a4 4 0 1 0 0 8 4 4 0 0 0 0-8Zm-2 9a4 4 0 0 0-4
4v1a2 2 0 0 0 2 2h8a2 2 0 0 0 2-2v-1a4 4 0 0 0-4-4H6Zm7.25-2.095c.478-
.86.75-1.85.75-2.905a5.973 5.973 0 0 0-.75-2.906 4 4 0 1 1 0 5.811ZM15.466
20c.34-.588.535-1.271.535-2v-1a5.978 5.978 0 0 0-1.528-4H18a4 4 0 0 1 4
4v1a2 2 0 0 1-2 2h-4.535Z"
            clip-rule="evenodd" />
        </svg>
    </div>
</div>
<div class="mt-5 pt-2 pb-2 text-center font-medium text-white bg-
cyan-600"><a
    href="{<?= site_url('anggota') ?>}">More
    Info</a></div>
</div>
</div>
<div class="h-40 rounded bg-green-500 rounded-xl dark:bg-gray-800
card">
    <div>
        <div class="flex grid grid-cols-2 items-center">
            <div>
                <div class="text-4xl font-semibold text-white pt-4 pl-4">
                    <?php echo $total_kode_buku; ?></div>
                <div class="flex text-white font-normal text-2xl pt-4 pl-
4">Buku</div>
            </div>
            <div class="justify-items-end pr-5">
                <svg class="text-gray-600 dark:text-white" aria-hidden="true"
                    xmlns="http://www.w3.org/2000/svg" width="88"
                    height="88" fill="currentColor"
                    viewBox="0 0 24 24">

```

```

<path fill-rule="evenodd"
      d="M6 2a2 2 0 0 0-2 2v15a3 3 0 0 0 3 3h12a1 1 0 1 0
0-2h-2v-2h2a1 1 0 0 0 1-1V4a2 2 0 0 0-2-2h-8v16h5v2H7a1 1 0 1 1 0-
2h1V2H6Z"
      clip-rule="evenodd" />
</svg>
</div>
</div>
<div class="mt-5 pt-2 pb-2 text-center font-medium text-white bg-
green-700"><a
      href="<?= site_url('buku') ?>">More Info</a></div>
</div>
</div>
<div class="h-40 rounded bg-yellow-500 rounded-xl dark:bg-gray-800
card">
  <div>
    <div class="flex grid grid-cols-2 items-center">
      <div>
        <div class="text-4xl font-semibold text-white pt-4 pl-4">
          <?php echo $total_peminjaman; ?>
        </div>
        <div class="flex text-white font-normal text-2xl pt-4 pl-
4">Peminjaman</div>
      </div>
      <div class="justify-items-end pr-5">
        <svg class="text-gray-600 dark:text-white" aria-hidden="true"
          xmlns="http://www.w3.org/2000/svg" width="92"
height="92" fill="none"
          viewBox="0 0 24 24">
          <path stroke="currentColor" stroke-linecap="round"
stroke-linejoin="round"

```


- **Tabel admin**

Dashboard

Admin

Anggota

Book

Peminjaman

Admin

USERNAME	PASSWORD	NAMA	ACTION
admin	\$2y\$10\$ZuMm8eUi2HnfaFvLb17W...Fy08s4Mt6zukurZmbLeAhYoKFOhiFU36	Admin	Edit Delete
admin1	\$2y\$10\$OI5kmJqLqzwsKGy/upWqeupA.y0blajAysYq5GE1NFKmKewDdO.a	Fattaah	Edit Delete
admin2	\$2y\$10\$Crylc1UWKITmHMCabQoCioQQunFwmRic1MVIIN9GfAVwesDRxz1cvu	Elgi	Edit Delete

Admin model

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Admin_model extends CI_Model {

    public function __construct() {
        $this->load->database();
    }

    // Fungsi untuk menambah data anggota
    public function create_admin($data) {
        return $this->db->insert('admin', $data);
    }

    // Fungsi untuk mengambil semua data anggota
    public function get_all_admin() {
        return $this->db->get('admin')->result_array();
    }

    // Fungsi untuk mengambil data anggota berdasarkan NIS
    public function get_admin_by_id($id) {
        return $this->db->get_where('admin', ['id_admin' => $id])->row_array();
    }
}

```

```

// Fungsi untuk mengupdate data anggota
public function update_admin($id_admin, $data) {
    $this->db->where('id_admin', $id_admin);
    return $this->db->update('admin', $data);
}

// Fungsi untuk menghapus data anggota
public function delete_admin($id) {
    $this->db->where('id_admin', $id);
    return $this->db->delete('admin');
}

public function get_admin($username) {
    return $this->db->get_where('admin', ['username' => $username])-
>row_array();
}
}

```

admin Controller

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Admin extends CI_Controller {

    public function __construct() {
        parent::__construct();
        $this->load->model('Admin_model');
        $this->load->helper('url');
        $this->load->helper('auth_helper');
        check_login(); // Pastikan pengguna sudah login
    }
}

```

```

// Menampilkan semua data anggota
public function index() {
    $data['admin'] = $this->Admin_model->get_all_admin();
    $this->load->view('layout/nav'); // Include navigasi
    $this->load->view('admin/index', $data);
}

//Menambah data anggota
public function create() {
    if ($this->input->post()) {
        $data = [
            'username' => $this->input->post('username'),
            'password' => password_hash($this->input->post('password'),
PASSWORD_BCRYPT),
            'nama_admin' => $this->input->post('nama_admin'),

        ];
        $this->Admin_model->create_admin($data);
        redirect('admin');
    } else {
        $this->load->view('layout/nav'); // Include navigasi
        $this->load->view('admin/create');
    }
}

// // Mengedit data anggota
public function edit($id_admin) {
    $data['admin'] = $this->Admin_model->get_admin_by_id($id_admin);

    if ($this->input->post()) {

```



```

        $data = [
            'username' => $this->input->post('username'),
            'password' => $this->input->post('password'),
            'nama_admin' => $this->input->post('nama_admin'),
        ];

        // Hanya update password jika ada input baru
        if ($this->input->post('password')) {
            $data['password'] = password_hash($this->input->post('password'),
PASSWORD_BCRYPT);
        }

        $this->Admin_model->update_admin($id_admin, $data);
        redirect('admin');
    } else {
        $this->load->view('layout/nav'); // Include navigasi
        $this->load->view('admin/edit', $data);
    }
}

// Menghapus data anggota
public function delete($id_admin) {
    $this->Admin_model->delete_admin($id_admin);
    redirect('admin');
}
}

```

Admin index

```

<!DOCTYPE html>

<html lang="en">

```

```

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>Belajar Tailwind</title>

  <script src="https://cdn.tailwindcss.com"></script>

  <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>

  <main>

    <div class="p-4 sm:ml-64">

      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">

        <div class="font-bold text-2xl underline-offset-8">

          <h2 class="font-bold text-2xl">Admin</h2>

        </div>

        <div>

          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded
dark:bg-black-700" width="100%" />

        </div>

        <div class="relative overflow-x-auto mb-4 mt-4 shadow-md
sm:rounded-lg">

          <table class="w-full text-sm text-left rtl:text-right text-gray-500
dark:text-gray-400">

            <thead class="text-xs text-gray-700 uppercase bg-gray-50
dark:bg-gray-700 dark:text-gray-400">

              <tr>

                <th scope="col" class="px-6 py-3">Username</th>

                <th scope="col" class="px-6 py-3">Password</th>

```

```

        <th scope="col" class="px-6 py-3">Nama</th>
        <th scope="col" class="px-6 py-3">Action</th>
    </tr>
</thead>
<tbody>
    <?php foreach ($admin as $row): ?>
    <tr
        class="odd:bg-white odd:dark:bg-gray-900 even:bg-gray-
50 even:dark:bg-gray-800 border-b dark:border-gray-700">

        <td class="px-6 py-4"><?= $row['username']; ?></td>
        <td class="px-6 py-4"><?= $row['password']; ?></td>
        <td class="px-6 py-4"><?= $row['nama_admin']; ?></td>

        <td class="px-6 py-4">
            <a href="<?= site_url('admin/edit/'.$row['id_admin']);
?>"
                class="font-medium text-blue-600 dark:text-blue-
500 hover:underline">Edit</a>
            |
            <a href="<?= site_url('admin/delete/'.$row['id_admin']);
?>"
                onclick="return confirm('Apakah Anda yakin?');"
                class="font-medium text-red-600 dark:text-blue-500
hover:underline">Delete</a>
        </td>
    </tr>
    <?php endforeach; ?>
</tbody>
</table>
</div>

```

```
        </div>


    </div>

</main>


</body>

</html>
```


- **Tambah admin**


 Perpus 

 Dashboard

 Admin ▾

 Anggota ▾

 Book ▾

 Peminjaman ▾

Input Admin

Username

Password

Nama

Submit

admin create

```
<!-- <h1>Tambah Admin</h1>

<form action="<?= site_url('admin/create'); ?>" method="post">

    <label>username</label><br>

    <input type="text" name="username" required><br><br>

    <label>Password</label><br>

    <input type="text" name="password" required><br><br>

    <label>Nama</label><br>

    <textarea name="nama_admin"></textarea><br><br>

    <button type="submit">Simpan</button>

</form> -->

<!DOCTYPE html>
```

```
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Belajar Tailwind</title>
  <script src="https://cdn.tailwindcss.com"></script>
  <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Input Admin</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-
black-700" width="100%" />
        </div>

        <form account="<?= site_url('admin/create'); ?>" method="post"
class="mt-3">
          <div class="relative z-0 w-full mb-5 group">
            <input type="text" name="username" id="username"
              class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
```

```

white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
        placeholder=" " required />
<label for="username"
        class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Username</label>
</div>
<div class="relative z-0 w-full mb-5 group">
    <input type="password" name="password" id="password"
        class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
        placeholder=" " required />
    <label for="password"
        class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Password</label>
</div>
<div class="relative z-0 w-full mb-5 group">
    <input type="text" name="nama_admin" id="nama_admin"
        class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-

```


```

white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
        placeholder=" " required />
        <label for="nama_admin"
            class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Nama</label>
    </div>
    <button type="submit"
        class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4
focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full
sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700
dark:focus:ring-blue-800">
        Submit
    </button>
</form>
</div>
</div>
</main>
</body>

</html>

```

- **Edit admin**

 Perpus

Dashboard

Admin

Anggota

Book

Peminjaman

Edit Admin

Username

admin

Password

.....

Nama

Admin

Submit

Admin edit

```
<!-- <h1>Edit Admin</h1>

<form action="<?= site_url('admin/edit/'.$admin['id_admin']); ?>"
method="post">

    <label>Username</label><br>

    <input type="text" name="username" value="<?= $admin['username']; ?>"
required><br><br>

    <label>Password</label><br>

    <input type="text" name="password" value="<?= $admin['password'];
?>"><br><br>

    <label>Nama</label><br>

    <input type="text" name="nama_admin" value="<?= $admin['nama_admin'];
?>"><br><br>

    <button type="submit">Update</button>

</form> -->

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8" />
```



```

<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Belajar Tailwind</title>
<script src="https://cdn.tailwindcss.com"></script>
<script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Edit Admin</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-
black-700" width="100%" />
        </div>

        <form action="<?= site_url('admin/edit/'.$admin['id_admin']); ?>"
method="post" class="mt-3">
          <div class="relative z-0 w-full mb-5 group">
            <input type="text" name="username" id="username" value="<?=
$admin['username']; ?>"

              class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"

              placeholder=" " required />
            <label for="username"

```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Username</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="password" name="password" id="password" value="<?= $admin['password']; ?>"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="password"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Password</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="nama_admin" id="nama_admin" value="<?= $admin['nama_admin']; ?>"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="nama_admin"
      class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Nama</label>

</div>

<button type="submit"
      class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4
focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full
sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700
dark:focus:ring-blue-800">

      Submit

</button>

</form>

</div>

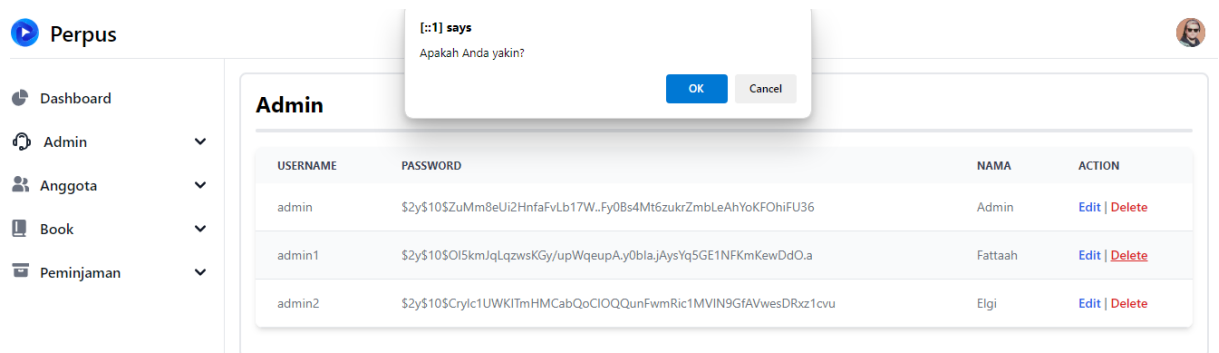
</div>

</main>

</body>

</html>
```

- **Hapus admin**



```
// Menghapus data anggota


public function delete($id_admin) {


    $this->Admin_model->delete_admin($id_admin);

    redirect('admin');

}
```


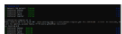
- **Tabel anggota**

 Perpus



- Dashboard
- Admin
- Anggota
- Book
- Peminjaman

Anggota

NIS	NAMA	ALAMAT	NO TELEPON	EMAIL	TANGGAL DAFTAR	FOTO	ACTION
7321	admin	Sleman	089123123131	admin@gmail.com	2024-10-29	Tidak ada foto	Edit Delete
4923842	Budi	bantul	042834028402	budi@gmail.com	2024-12-24		Edit Delete
901298381	admin3	bantul	0892342424	tono@gmail.com	2024-12-10		Edit Delete

Anggota Model

```
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class Anggota_model extends CI_Model {

    public function __construct() {

        $this->load->database();

    }

    // Fungsi untuk menambah data anggota

    public function create_anggota($data) {

        return $this->db->insert('anggota', $data);

    }

}
```

```

// Fungsi untuk mengambil semua data anggota
public function get_all_anggota() {
    return $this->db->get('anggota')->result_array();
}

// Fungsi untuk mengambil data anggota berdasarkan NIS
public function get_anggota_by_nis($nis) {
    return $this->db->get_where('anggota', ['nis' => $nis])->row_array();
}

// Fungsi untuk mengupdate data anggota
public function update_anggota($nis, $data) {
    $this->db->where('nis', $nis);
    return $this->db->update('anggota', $data);
}

// Fungsi untuk menghapus data anggota
public function delete_anggota($nis) {
    $this->db->where('nis', $nis);
    return $this->db->delete('anggota');
}
}

```

Anggota Controller

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Anggota extends CI_Controller {

    public function __construct() {
        parent::__construct();
    }
}

```

```

$this->load->library('session'); // Memuat library session

$this->load->model('Anggota_model');

$this->load->helper(['url', 'form']);

$this->load->library('upload');

$this->load->helper('auth_helper');

check_login(); // Pastikan pengguna sudah login
}

// Menampilkan semua data anggota
public function index() {
    $data['anggota'] = $this->Anggota_model->get_all_anggota();

    $this->load->view('layout/nav'); // Include navigasi

    $this->load->view('anggota/index', $data);
}

// Menambah data anggota
public function create() {
    $data['message'] = ""; // Variabel untuk menampung pesan notifikasi

    if ($this->input->post()) {
        $config['upload_path'] = './uploads/';
        $config['allowed_types'] = 'jpg|jpeg|png|gif';
        $config['max_size'] = 2048; // 2 MB
        $config['file_name'] = uniqid();

        // if (!is_dir(FCPATH . 'uploads/')) {
        //     echo 'Upload path is not valid: ' . FCPATH . 'uploads/';
        //     exit;
        // }

        $this->load->library('upload', $config);
    }
}

```

```

$this->upload->initialize($config);

if (!$this->upload->do_upload('foto')) {
    // Jika gagal upload, simpan pesan error ke variabel
    $data['message'] = '<div class="alert alert-danger">' . $this->upload-
>display_errors() . '</div>';
} else {
    $upload_data = $this->upload->data();
    $anggota_data = [
        'nis' => $this->input->post('nis'),
        'nama_anggota' => $this->input->post('nama_anggota'),
        'alamat' => $this->input->post('alamat'),
        'nomor_telepon' => $this->input->post('nomor_telepon'),
        'email' => $this->input->post('email'),
        'tanggal_daftar' => $this->input->post('tanggal_daftar'),
        'password' => password_hash($this->input->post('password'),
PASSWORD_BCRYPT),
        'foto' => $upload_data['file_name']
    ];

    // Simpan data ke database
    if ($this->Anggota_model->create_anggota($anggota_data)) {
        $data['message'] = '<div class="alert alert-success">Data anggota
berhasil ditambahkan!</div>';
    } else {
        $data['message'] = '<div class="alert alert-danger">Gagal
menambahkan data anggota.</div>';
    }
}
}

```

```

// Load view dengan pesan
$this->load->view('layout/nav');
$this->load->view('anggota/create', $data);
}

// Mengedit data anggota
public function edit($nis) {
    $data['anggota'] = $this->Anggota_model->get_anggota_by_nis($nis);

    if ($this->input->post()) {
        $config['upload_path'] = './uploads/';
        $config['allowed_types'] = 'jpg|jpeg|png|gif';
        $config['max_size'] = 2048; // 2 MB
        $config['file_name'] = uniqid();

        $this->upload->initialize($config);

        $upload_success = $this->upload->do_upload('foto');
        $upload_data = $this->upload->data();

        $data = [
            'nama_anggota' => $this->input->post('nama_anggota'),
            'alamat' => $this->input->post('alamat'),
            'nomor_telepon' => $this->input->post('nomor_telepon'),
            'email' => $this->input->post('email'),
            'tanggal_daftar' => $this->input->post('tanggal_daftar'),
        ];

        // Hanya update password jika ada input baru
    }
}

```



```

        if ($this->input->post('password')) {
            $data['password'] = password_hash($this->input->post('password'),
PASSWORD_BCRYPT);
        }

        // Update foto jika ada
        if ($upload_success) {
            $data['foto'] = $upload_data['file_name'];
        }

        $this->Anggota_model->update_anggota($nis, $data);
        redirect('anggota');
    } else {

        $this->load->view('layout/nav');
        $this->load->view('anggota/edit', $data);
    }
}

// Menghapus data anggota
public function delete($nis) {
    $this->Anggota_model->delete_anggota($nis);
    redirect('anggota');
}
}

```

Anggota index

```

<!DOCTYPE html>

<html lang="en">

<head>

```

```
<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Belajar Tailwind</title>

<script src="https://cdn.tailwindcss.com"></script>

<script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Anggota</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded
dark:bg-black-700 width="100%" />
        </div>

        <div class="relative overflow-x-auto mb-4 mt-4 shadow-md
sm:rounded-lg">
          <table class="w-full text-sm text-left rtl:text-right text-gray-500
dark:text-gray-400">
            <thead class="text-xs text-gray-700 uppercase bg-gray-50
dark:bg-gray-700 dark:text-gray-400">
              <tr>
                <th scope="col" class="px-6 py-3">Nis</th>
                <th scope="col" class="px-6 py-3">Nama</th>
                <th scope="col" class="px-6 py-3">Alamat</th>
```

```

<th scope="col" class="px-6 py-3">No Telepon</th>
<th scope="col" class="px-6 py-3">Email</th>
<th scope="col" class="px-6 py-3">Tanggal Daftar</th>
<th scope="col" class="px-6 py-3">Foto</th>
<th scope="col" class="px-6 py-3">Action</th>
</tr>
</thead>
<tbody>
<?php foreach ($anggota as $row): ?>
<tr
    class="odd:bg-white odd:dark:bg-gray-900 even:bg-gray-
50 even:dark:bg-gray-800 border-b dark:border-gray-700">

    <td class="px-6 py-4"><?= $row['nis']; ?></td>
    <td class="px-6 py-4"><?= $row['nama_anggota']; ?></td>
    <td class="px-6 py-4"><?= $row['alamat']; ?></td>
    <td class="px-6 py-4"><?= $row['nomor_telepon']; ?></td>
    <td class="px-6 py-4"><?= $row['email']; ?></td>
    <td class="px-6 py-4"><?= $row['tanggal_daftar']; ?></td>
    <td class="px-6 py-4"><?php if (!empty($row['foto'])): ?>
        "
width="200">

        <?php else: ?>
            Tidak ada foto
        <?php endif; ?>
    </td>

    <td class="px-6 py-4">
        <a href="<?= site_url('anggota/edit/'.$row['nis']); ?>"

```

```

class="font-medium text-blue-600 dark:text-blue-500
hover:underline">Edit</a>
|
<a href="<?= site_url('anggota/delete/'.$row['nis']); ?>"
onclick="return confirm('Apakah Anda yakin?');"
class="font-medium text-red-600 dark:text-blue-500
hover:underline">Delete</a>
</td>
</tr>
<?php endforeach; ?>
</tbody>
</table>
</div>
</div>
</div>
</main>
</body>

</html>

```

```

<?php if ($this->session->flashdata('success')): ?>
<div class="alert alert-success">
    <?= $this->session->flashdata('success'); ?>
</div>
<?php endif; ?>

<?php if ($this->session->flashdata('error')): ?>
<div class="alert alert-danger">
    <?= $this->session->flashdata('error'); ?>

```

```
</div>

<?php endif; ?>
```

- **Edit anggota**

Perpus

Dashboard

Admin

Anggota

Book

Peminjaman

Edit Anggota

NIS

7321

Nama Anggota

admin

Alamat

Sleman

Nomor Telepon

089123123131

Email

admin@gmail.com

Tanggal Daftar

10/29/2024

Password

.....

Upload Foto

Choose File

No file chosen

Anggota edit

```
<!DOCTYPE html>

<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Input Anggota</title>
  <script src="https://cdn.tailwindcss.com"></script>
  <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
```

```

<div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
  <div class="font-bold text-2xl underline-offset-8">
    <h2 class="font-bold text-2xl">Edit Anggota</h2>
  </div>
  <div>
    <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-
black-700" width="100%" />
  </div>

  <form action="<?= site_url('anggota/edit/'.$sanggota['nis']); ?>"
method="post"
  enctype="multipart/form-data" class="mt-3">
    <!-- NIS -->
    <div class="relative z-0 w-full mb-5 group">
      <input type="number" name="nis" id="nis" value="<?=
$sanggota['nis']; ?>"
      class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
      placeholder=" " required />
      <label for="nis"
      class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">NIS</label>
    </div>

```

```
<!-- Nama Anggota -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="nama_anggota" id="nama_anggota"
```

```
value="<?= $anggota['nama_anggota']; ?>"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="nama_anggota"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Nama
```

```
Anggota</label>
```

```
</div>
```

```
<!-- Alamat -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<textarea name="alamat" id="alamat"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required><?= $anggota['alamat'];
```

```
?></textarea>
```

```
<label for="alamat"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
```

```
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Alamat</label>
```

```
</div>
```

```
<!-- Nomor Telepon -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="nomor_telepon" id="nomor_telepon"
```

```
value="<?= $anggota['nomor_telepon']; ?>"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="nomor_telepon"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Nomor
```

```
Telepon</label>
```

```
</div>
```

```
<!-- Email -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="email" name="email" id="email" value="<?=
$anggota['email']; ?>"
```



```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="email"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Email</label>
```

```
</div>
```

```
<!-- Tanggal Daftar -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="date" name="tanggal_daftar" id="tanggal_daftar"
```

```
value="<?= $anggota['tanggal_daftar']; ?>"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="tanggal_daftar"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Tanggal
```

```
Daftar</label>
```

```
</div>
```

```
<!-- Password -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
  <input type="password" name="password" id="password"  
  value="<?= $anggota['password']; ?>"
```

```
    class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-  
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-  
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none  
focus:ring-0 focus:border-blue-600 peer"
```

```
    placeholder=" " required />
```

```
  <label for="password"
```

```
    class="peer-focus:font-medium absolute text-sm text-gray-  
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-  
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-  
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-  
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75  
peer-focus:-translate-y-6">Password</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
  <label class="block mb-2 text-sm font-medium text-gray-900  
dark:text-white" for="foto">Upload
```

```
    Foto</label>
```

```
  <input
```

```
    class="block w-full text-sm text-gray-900 border border-gray-  
300 rounded-lg cursor-pointer bg-gray-50 dark:text-gray-400 focus:outline-none  
dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400"
```

```
    aria-describedby="foto_help" id="foto" type="file" name="foto"  
required>
```

```

        <div class="mt-1 text-sm text-gray-500 dark:text-gray-300"
        id="foto_help">Unggah foto buku
        </div>
    </div>

    <button type="submit"
        class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4
        focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full
        sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700
        dark:focus:ring-blue-800">
        Simpan
    </button>
</form>
</div>
</div>
</main>
</body>

</html>

```

- **Tambah Anggota**

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Input Anggota</title>
    <script src="https://cdn.tailwindcss.com"></script>

```

```

<script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Input Anggota</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-
black-700" width="100%" />
        </div>

        <form action="<?= site_url('anggota/create'); ?>" method="post"
enctype="multipart/form-data"
class="mt-3">
          <!-- NIS -->
          <div class="relative z-0 w-full mb-5 group">
            <input type="number" name="nis" id="nis"
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
placeholder=" " required />
            <label for="nis"
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-

```

```
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">NIS</label>
```

```
</div>
```

```
<!-- Nama Anggota -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="nama_anggota" id="nama_anggota"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="nama_anggota"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Nama
```

```
Anggota</label>
```

```
</div>
```

```
<!-- Alamat -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<textarea name="alamat" id="alamat"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required></textarea>

<label for="alamat"

class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Alamat</label>

</div>
```

```
<!-- Nomor Telepon -->

<div class="relative z-0 w-full mb-5 group">

  <input type="text" name="nomor_telepon" id="nomor_telepon"

    class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"

    placeholder=" " required />

  <label for="nomor_telepon"

    class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Nomor

    Telepon</label>

</div>
```

```
<!-- Email -->

<div class="relative z-0 w-full mb-5 group">

  <input type="email" name="email" id="email"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="email"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Email</label>
```

```
</div>
```

```
<!-- Tanggal Daftar -->
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="date" name="tanggal_daftar" id="tanggal_daftar"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="tanggal_daftar"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Tanggal
```

```
Daftar</label>
```

```
</div>
```

```

<!-- Password -->
<div class="relative z-0 w-full mb-5 group">
  <input type="password" name="password" id="password"
    class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
    placeholder=" " required />
  <label for="password"
    class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Password</label>
</div>

<div class="relative z-0 w-full mb-5 group">
  <label class="block mb-2 text-sm font-medium text-gray-900
dark:text-white" for="foto">Upload
    Foto</label>
  <input
    class="block w-full text-sm text-gray-900 border border-gray-
300 rounded-lg cursor-pointer bg-gray-50 dark:text-gray-400 focus:outline-none
dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400"
    aria-describedby="foto_help" id="foto" type="file" name="foto"
required>
  <div class="mt-1 text-sm text-gray-500 dark:text-gray-300"
id="foto_help">Unggah foto buku
  </div>

```

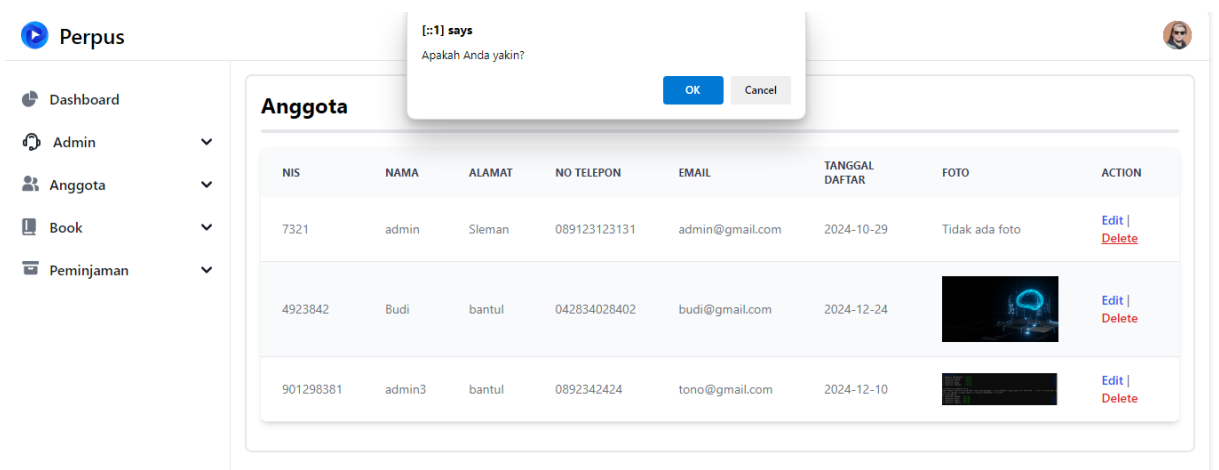


```
</div>

<button type="submit"
        class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4
focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full
sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700
dark:focus:ring-blue-800">
        Simpan
    </button>
</form>
</div>
</div>
</main>
</body>

</html>
```

- **Hapus Anggota**



```
public function delete_anggota($nis) {
    $this->db->where('nis', $nis);
    return $this->db->delete('anggota');
```

```

    }
}

```

- **Tabel Buku**

Perpus

Dashboard


Admin

Anggota

Book

Peminjaman

Daftar Buku

KODE BUKU	JUDUL BUKU	PENULIS	KATEGORI	STOK BUKU	FOTO	ACTION
B001	Python	Fattaah	Computer	5	Tidak ada foto	Edit Delete
B002	Java	Fattaah	Computer	3	Tidak ada foto	Edit Delete
B003	C++	Fattaah	Computer	1		Edit Delete

Buku Model

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class BukuModel extends CI_Model {

    public function __construct() {
        $this->load->database();
    }

    // Fungsi untuk menambah data anggota
    public function create_buku($data) {
        return $this->db->insert('buku', $data);
    }

    // Fungsi untuk mengambil semua data anggota
    public function get_all_buku() {
        return $this->db->get('buku')->result_array();
    }
}

```

```

    }

    // Fungsi untuk mengambil data anggota berdasarkan NIS
    public function get_buku_by_kode($kode_buku) {
        return $this->db->get_where('buku', ['kode_buku' => $kode_buku])-
>row_array();
    }

    // Fungsi untuk mengupdate data anggota
    public function update_buku($kode_buku, $data) {
        $this->db->where('kode_buku', $kode_buku);
        return $this->db->update('buku', $data);
    }

    // Fungsi untuk menghapus data anggota
    public function delete_buku($kode_buku) {
        $this->db->where('kode_buku', $kode_buku);
        return $this->db->delete('buku');
    }

    public function get_admin($username) {
        return $this->db->get_where('admin', ['username' => $username])-
>row_array();
    }
}

```

Buku Controller

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Buku extends CI_Controller {

```

```

public function __construct() {
    parent::__construct();
    $this->load->library('session'); // Memuat library session
    $this->load->model('BukuModel');
    $this->load->helper(['url', 'form']);
    $this->load->library('upload');
    $this->load->helper('auth_helper');
    check_login(); // Pastikan pengguna sudah login
}

// Menampilkan semua data anggota
public function index() {
    $data['buku'] = $this->BukuModel->get_all_buku();
    $this->load->view('layout/nav'); // Include navigasi
    $this->load->view('buku/index', $data);
}

// Menambah data anggota
public function create() {
    $data['message'] = ""; // Variabel untuk menampung pesan notifikasi

    if ($this->input->post()) {
        $config['upload_path'] = './uploads/buku/'; // Path untuk folder buku
        $config['allowed_types'] = 'jpg|jpeg|png|gif'; // Jenis file yang
diperbolehkan
        $config['max_size'] = 2048; // Ukuran maksimal file (2 MB)
        $config['file_name'] = uniqid(); // Nama file unik untuk menghindari
konflik

        // // Cek apakah folder upload tersedia

```

```

        // if (!is_dir(FCPATH . 'uploads/buku/')) {
        //     mkdir(FCPATH . 'uploads/buku/', 0777, true); // Buat folder jika
belum ada
        // }

        $this->load->library('upload', $config);
        $this->upload->initialize($config);

        if (!$this->upload->do_upload('foto')) {
            // Jika gagal upload, simpan pesan error ke variabel
            $data['message'] = '<div class="alert alert-danger">' . $this->upload-
>display_errors() . '</div>';
        } else {
            $upload_data = $this->upload->data();
            $buku_data = [
                'kode_buku' => $this->input->post('kode_buku'),
                'judul_buku' => $this->input->post('judul_buku'),
                'penulis' => $this->input->post('penulis'),
                'kategori' => $this->input->post('kategori'),
                'stok_buku' => $this->input->post('stok_buku'),
                'foto' => $upload_data['file_name'] // Simpan nama file
            ];

            // Simpan data ke database
            if ($this->BukuModel->create_buku($buku_data)) {
                $data['message'] = '<div class="alert alert-success">Data buku
berhasil ditambahkan!</div>';
            } else {
                $data['message'] = '<div class="alert alert-danger">Gagal
menambahkan data buku.</div>';
            }
        }
    }

```

```

    }

}

// Load view dengan pesan
$this->load->view('layout/nav'); // Include navigasi
$this->load->view('buku/create', $data);
}

// Mengedit data anggota
// Mengedit data buku
public function edit($kode_buku) {
    // Mendapatkan data buku berdasarkan kode_buku
    $data['buku'] = $this->BukuModel->get_buku_by_kode($kode_buku);

    if ($this->input->post()) {
        // Konfigurasi upload file
        $config['upload_path'] = './uploads/buku';
        $config['allowed_types'] = 'jpg|jpeg|png|gif';
        $config['max_size'] = 2048; // 2 MB
        $config['file_name'] = uniqid();

        $this->upload->initialize($config);

        $upload_success = $this->upload->do_upload('foto');
        $upload_data = $this->upload->data();

        // Menyiapkan data untuk update

```

```

        $data = [
            'judul_buku' => $this->input->post('judul_buku'),
            'penulis' => $this->input->post('penulis'),
            'kategori' => $this->input->post('kategori'),
            'stok_buku' => $this->input->post('stok_buku'),
        ];

        // Update foto jika ada
        if ($upload_success) {
            $data['foto'] = $upload_data['file_name'];
        }

        // Memanggil fungsi update_buku di model
        $this->BukuModel->update_buku($kode_buku, $data);

        // Redirect setelah update
        redirect('buku');
    } else {
        // Load view dengan data buku
        $this->load->view('layout/nav'); // Include navigasi
        $this->load->view('buku/edit', $data);
    }
}

// Menghapus data anggota
public function delete($kode_buku) {
    $this->BukuModel->delete_buku($kode_buku);
    redirect('buku');
}

```

```
}
```

Buku index

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Data Buku</title>
  <script src="https://cdn.tailwindcss.com"></script>
  <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Daftar Buku</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded
dark:bg-black-700" width="100%" />
        </div>

        <div class="relative overflow-x-auto mb-4 mt-4 shadow-md
sm:rounded-lg">
```



```

<table class="w-full text-sm text-left rtl:text-right text-gray-500
dark:text-gray-400">
    <thead class="text-xs text-gray-700 uppercase bg-gray-50
dark:bg-gray-700 dark:text-gray-400">
        <tr>
            <th scope="col" class="px-6 py-3">Kode Buku</th>
            <th scope="col" class="px-6 py-3">Judul Buku</th>
            <th scope="col" class="px-6 py-3">Penulis</th>
            <th scope="col" class="px-6 py-3">Kategori</th>
            <th scope="col" class="px-6 py-3">Stok Buku</th>
            <th scope="col" class="px-6 py-3">Foto</th>
            <th scope="col" class="px-6 py-3">Action</th>
        </tr>
    </thead>
    <tbody>
        <?php foreach ($buku as $row): ?>
            <tr
                class="odd:bg-white odd:dark:bg-gray-900 even:bg-gray-
50 even:dark:bg-gray-800 border-b dark:border-gray-700">

                <td class="px-6 py-4"><?= $row['kode_buku']; ?></td>
                <td class="px-6 py-4"><?= $row['judul_buku']; ?></td>
                <td class="px-6 py-4"><?= $row['penulis']; ?></td>
                <td class="px-6 py-4"><?= $row['kategori']; ?></td>
                <td class="px-6 py-4"><?= $row['stok_buku']; ?></td>
                <td class="px-6 py-4">
                    <?php if (!empty($row['foto'])): ?>
                        " width="100">
                    <?php else: ?>

```

```

        Tidak ada foto
        <?php endif; ?>
    </td>
    <td class="px-6 py-4">
        <a href="<?= site_url('buku/edit/'.$row['kode_buku']);
?>"
            class="font-medium text-blue-600 dark:text-blue-500
hover:underline">Edit</a>
        |
        <a href="<?= site_url('buku/delete/'.$row['kode_buku']);
?>"
            onclick="return confirm('Apakah Anda yakin?');"
            class="font-medium text-red-600 dark:text-blue-500
hover:underline">Delete</a>
    </td>
</tr>
<?php endforeach; ?>
</tbody>
</table>
</div>
</div>
</div>
</main>
</body>

</html>

<?php if ($this->session->flashdata('success')): ?>
<div class="alert alert-success">
    <?= $this->session->flashdata('success'); ?>
</div>

```

```

<?php endif; ?>

<?php if ($this->session->flashdata('error')): ?>
<div class="alert alert-danger">
    <?= $this->session->flashdata('error'); ?>
</div>
<?php endif; ?>

```

- **Edit Buku**

Perpus

- Dashboard
- Admin
- Anggota
- Book
- Peminjaman

Edit Buku

Kode Buku
B001

Judul Buku
Python

Penulis
Fattaah

Kategori
Computer

Stok Buku
5

Upload Foto
Choose File No file chosen
Unggah foto baru jika ingin mengganti.

Simpan Perubahan

Buku edit

```

<!DOCTYPE html>

<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Edit Buku</title>
    <script src="https://cdn.tailwindcss.com"></script>

```

```

<script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Edit Buku</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded
dark:bg-black-700" width="100%" />
        </div>

        <form action="<?= site_url('buku/edit/' . $buku['kode_buku']); ?>"
method="post"
enctype="multipart/form-data" class="mt-3">
          <div class="relative z-0 w-full mb-5 group">
            <input type="text" name="kode_buku" id="kode_buku"
              class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
              placeholder=" " value="<?= $buku['kode_buku']; ?>"
              readonly />
            <label for="kode_buku"
              class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -

```

```
z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-
focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-
placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-
focus:scale-75 peer-focus:-translate-y-6">Kode
```

```
Buku</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="judul_buku" id="judul_buku"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " value="<?= $buku['judul_buku']; ?>" required
```

```
/>
```

```
<label for="judul_buku"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -
z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-
focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-
placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-
focus:scale-75 peer-focus:-translate-y-6">Judul
```

```
Buku</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="penulis" id="penulis"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " value="<?= $buku['penulis']; ?>" required />
```

```
<label for="penulis"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Penulis</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="kategori" id="kategori"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " value="<?= $buku['kategori']; ?>" required />
```

```
<label for="kategori"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Kategori</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="number" name="stok_buku" id="stok_buku"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " value="<?= $buku['stok_buku']; ?>" required
```

```
/>
```

```
<label for="stok_buku"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Stok
```

Buku</label>

</div>

```
<div class="relative z-0 w-full mb-5 group">
```

```
<label class="block mb-2 text-sm font-medium text-gray-900 dark:text-white" for="foto">Upload
```

Foto</label>

```
<input
```

```
class="block w-full text-sm text-gray-900 border border-gray-300 rounded-lg cursor-pointer bg-gray-50 dark:text-gray-400 focus:outline-none dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400" aria-describedby="foto_help" id="foto" type="file" name="foto">
```

```
<div class="mt-1 text-sm text-gray-500 dark:text-gray-300" id="foto_help">Unggah foto baru jika ingin mengganti.</div>
```

</div>

```
<button type="submit"
```

```
class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4 focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700 dark:focus:ring-blue-800">
```

Simpan Perubahan

```
</button>
```

```
</form>
```

```
        </div>
    </div>
</main>
</body>

</html>
```

- **Tambah Buku**

Buku create

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Input Buku</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
    <main>
        <div class="p-4 sm:ml-64">
            <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
                <div class="font-bold text-2xl underline-offset-8">
                    <h2 class="font-bold text-2xl">Input Buku</h2>
                </div>
            </div>
        </div>
    </main>
</body>
</html>
```



```
<hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded
dark:bg-black-700" width="100%" />
```

```
</div>
```

```
<form action="<?= site_url('buku/create'); ?>" method="post"
enctype="multipart/form-data" class="mt-3">
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="kode_buku" id="kode_buku"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="kode_buku"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -
z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-
focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-
placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-
focus:scale-75 peer-focus:-translate-y-6">Kode
```

```
Buku</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="judul_buku" id="judul_buku"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="judul_buku"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Judul
```

```
Buku</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="penulis" id="penulis"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="penulis"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Penulis</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="text" name="kategori" id="kategori"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="kategori"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Kategori</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<input type="number" name="stok_buku" id="stok_buku"
```

```
class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none focus:ring-0 focus:border-blue-600 peer"
```

```
placeholder=" " required />
```

```
<label for="stok_buku"
```

```
class="peer-focus:font-medium absolute text-sm text-gray-500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75 peer-focus:-translate-y-6">Stok
```

```
Buku</label>
```

```
</div>
```

```
<div class="relative z-0 w-full mb-5 group">
```

```
<label class="block mb-2 text-sm font-medium text-gray-900 dark:text-white" for="foto">Upload
```

```
Foto</label>
```

```
<input
```

```
class="block w-full text-sm text-gray-900 border border-gray-300 rounded-lg cursor-pointer bg-gray-50 dark:text-gray-400 focus:outline-none dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400"
```

```
aria-describedby="foto_help" id="foto" type="file"
name="foto" required>
    <div class="mt-1 text-sm text-gray-500 dark:text-gray-300"
id="foto_help">Unggah foto buku
    </div>
</div>

<button type="submit"
class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4
focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full
sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700
dark:focus:ring-blue-800">
    Simpan
</button>
</form>
</div>
</div>
</main>
</body>

</html>
```

- Hapus Buku

Perpus

Dashboard

Admin

Anggota


Book

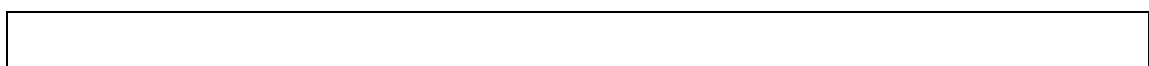
Peminjaman

Daftar Buku

[[1] says
Apakah Anda yakin?

OKCancel

KODE BUKU	JUDUL BUKU	PENULIS	KATEGORI	STOK BUKU	FOTO	ACTION
B001	Python	Fattaah	Computer	5	Tidak ada foto	Edit Delete
B002	Java	Fattaah	Computer	3	Tidak ada foto	Edit Delete
B003	C++	Fattaah	Computer	1		Edit Delete



```

public function delete_buku($kode_buku) {


    $this->db->where('kode_buku', $kode_buku);


    return $this->db->delete('buku');

}

```

- **Tabel Peminjaman**

 Perpus



- Dashboard
- Admin
- Anggota
- Book
- Peminjaman

Peminjaman

ID	ADMIN	ANGGOTA	BUKU	TANGGAL PEMINJAMAN	TANGGAL PENGEMBALIAN	STATUS
1	Admin	Budi	Python	2024-12-24	2024-12-28	dipinjam
2	Admin	Budi	C++	2024-12-24	2025-01-04	dipinjam
3	Admin	Budi	Java	2024-12-24	2025-01-04	dipinjam
4	Admin	admin	C++	2024-12-24	2025-01-11	dipinjam
5	Admin	admin	C++	2024-12-24	2025-01-10	dipinjam

Peminjaman Model

```

<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class PeminjamanModel extends CI_Model {

    public function get_all_peminjaman() {

        $this->db->select('p.*, a.nama_anggota, b.judul_buku, ad.nama_admin');
        $this->db->from('peminjaman p');
        $this->db->join('anggota a', 'p.nis = a.nis');
        $this->db->join('buku b', 'p.kode_buku = b.kode_buku');
        $this->db->join('admin ad', 'p.id_admin = ad.id_admin');
        return $this->db->get()->result_array();

    }

}

```

```

public function insert_peminjaman($data) {
    // Insert data peminjaman
    $this->db->insert('peminjaman', $data);

    // Kurangi stok buku
    $this->db->set('stok_buku', 'stok_buku-1', FALSE) // Kurangi stok_buku 1
        ->where('kode_buku', $data['kode_buku'])
        ->update('buku');
}
}

```

Peminjaman controller

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Peminjaman extends CI_Controller {

    public function __construct() {
        parent::__construct();
        $this->load->model('PeminjamanModel');
        $this->load->model('Anggota_model');
        $this->load->model('BukuModel');
        $this->load->helper('auth_helper');
        check_login(); // Pastikan pengguna sudah login

        // Pastikan admin sudah login
        if (!$this->session->userdata('id_admin')) {
            redirect('auth/login'); // Redirect ke halaman login jika belum login
        }
    }
}

```

```

public function index() {
    $data['peminjaman'] = $this->PeminjamanModel->get_all_peminjaman();
    $this->load->view('layout/nav');
    $this->load->view('peminjaman/index', $data);
}

public function create() {
    if ($this->input->post()) {
        $kode_buku = $this->input->post('kode_buku');

        // Cek stok buku
        $buku = $this->BukuModel->get_buku_by_kode($kode_buku);
        if ($buku['stok_buku'] <= 0) {
            $this->session->set_flashdata('error', 'Stok buku habis. ');
            redirect('peminjaman/create');
        }

        $data = [
            'id_admin' => $this->session->userdata('id_admin'), // Ambil dari
session
            'nis' => $this->input->post('nis'),
            'kode_buku' => $this->input->post('kode_buku'),
            'tanggal_peminjaman' => $this->input->post('tanggal_peminjaman'),
            'tanggal_pengembalian' => $this->input-
>post('tanggal_pengembalian'),
            'status_peminjaman' => 'dipinjam',
        ];

        // Insert data dan kurangi stok
        $this->PeminjamanModel->insert_peminjaman($data);
    }
}

```

```

        // Redirect ke halaman peminjaman
        redirect('peminjaman');
    } else {
        $data['anggota'] = $this->Anggota_model->get_all_anggota();
        $data['buku'] = $this->BukuModel->get_all_buku();
        $this->load->view('layout/nav');
        $this->load->view('peminjaman/create', $data);
    }
}
}

```

Peminjaman index

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Belajar Tailwind</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
    <main>
        <div class="p-4 sm:ml-64">
            <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">

```



```

<div class="font-bold text-2xl underline-offset-8">
    <h2 class="font-bold text-2xl">Peminjaman</h2>
</div>

<div>
    <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-black-700" width="100%" />
</div>

<div class="relative overflow-x-auto mb-4 mt-4 shadow-md sm:rounded-lg">
    <table class="w-full text-sm text-left rtl:text-right text-gray-500 dark:text-gray-400">
        <thead class="text-xs text-gray-700 uppercase bg-gray-50 dark:bg-gray-700 dark:text-gray-400">
            <tr>
                <th scope="col" class="px-6 py-3">ID</th>
                <th scope="col" class="px-6 py-3">Admin</th>
                <th scope="col" class="px-6 py-3">Anggota</th>
                <th scope="col" class="px-6 py-3">Buku</th>
                <th scope="col" class="px-6 py-3">Tanggal
Peminjaman</th>
                <th scope="col" class="px-6 py-3">Tanggal
Pengembalian</th>
                <th scope="col" class="px-6 py-3">Status</th>
            </tr>
        </thead>
        <tbody>
            <?php foreach ($peminjaman as $row): ?>
                <tr
                    class="odd:bg-white odd:dark:bg-gray-900 even:bg-gray-50 even:dark:bg-gray-800 border-b dark:border-gray-700">

```

```

        <td class="px-6 py-4"><?= $row['id_peminjaman']; ?></td>
        <td class="px-6 py-4"><?= $row['nama_admin']; ?></td>
        <td class="px-6 py-4"><?= $row['nama_anggota']; ?></td>
        <td class="px-6 py-4"><?= $row['judul_buku']; ?></td>
        <td class="px-6 py-4"><?= $row['tanggal_peminjaman'];
?></td>

        <td class="px-6 py-4"><?= $row['tanggal_pengembalian'];
?></td>

        <td class="px-6 py-4"><?= $row['status_peminjaman'];
?></td>

    </tr>
    <?php endforeach; ?>
</tbody>
</table>
</div>
</div>
</div>
</main>
</body>

</html>

```

```

<?php if ($this->session->flashdata('success')): ?>
<div class="alert alert-success">
    <?= $this->session->flashdata('success'); ?>
</div>

```


```


<?php endif; ?>

<?php if ($this->session->flashdata('error')): ?>
<div class="alert alert-danger">
    <?= $this->session->flashdata('error'); ?>
</div>
<?php endif; ?>

```

- **Tambah Peminjaman**

 Perpus



Dashboard

Admin

Anggota

Book

Peminjaman

Peminjaman

Nama Anggota

admin

Buku

Python

Tanggal Peminjaman

mm/dd/yyyy

Tanggal Pengembalian

mm/dd/yyyy

Status

Dipinjam

Simpan

Peminjaman create

```

</html>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Peminjaman</title>
    <script src="https://cdn.tailwindcss.com"></script>

```

```

<script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
  <main>
    <div class="p-4 sm:ml-64">
      <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
        <div class="font-bold text-2xl underline-offset-8">
          <h2 class="font-bold text-2xl">Peminjaman</h2>
        </div>
        <div>
          <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-
black-700" width="100%" />
        </div>

        <form action="<?= site_url('peminjaman/create'); ?>" method="post"
enctype="multipart/form-data"
class="mt-3">
          <!-- NIS -->
          <div class="relative z-0 w-full mb-5 group">
            <label for="anggota" class="block mb-2 text-sm font-medium
text-gray-900 dark:text-white">Nama
Anggota</label>
            <select id="anggota" name="nis"
class="bg-gray-50 border border-gray-300 text-gray-900 text-
sm rounded-lg focus:ring-blue-500 focus:border-blue-500 block w-full p-2.5
dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400 dark:text-
white dark:focus:ring-blue-500 dark:focus:border-blue-500">

              <?php foreach ($anggota as $ag) : ?>

```

```

        <option value="<?= $ag['nis']; ?>"><?= $ag['nama_anggota'];
?></option>

        <?php endforeach; ?>
    </select>
</div>

<div class="relative z-0 w-full mb-5 group">
    <label for="buku"
        class="block mb-2 text-sm font-medium text-gray-900
dark:text-white">Buku</label>
        <select id="buku" name="kode_buku"
            class="bg-gray-50 border border-gray-300 text-gray-900 text-
sm rounded-lg focus:ring-blue-500 focus:border-blue-500 block w-full p-2.5
dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400 dark:text-
white dark:focus:ring-blue-500 dark:focus:border-blue-500">

                <?php foreach ($buku as $bk) : ?>
                    <option value="<?= $bk['kode_buku']; ?>"><?=
$bk['judul_buku']; ?></option>

                <?php endforeach; ?>
            </select>
        </div>

<!-- Alamat -->

<!-- Tanggal Daftar -->
<div class="relative z-0 w-full mb-5 group">
    <input type="date" name="tanggal_peminjaman"
id="tanggal_peminjaman"
        class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-

```

```

white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
        placeholder=" " required />
        <label for="tanggal_peminjaman"
            class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Tanggal
            Peminjaman</label>
        </div>
        <div class="relative z-0 w-full mb-5 group">
            <input type="date" name="tanggal_pengembalian"
id="tanggal_pengembalian"
                class="block py-2.5 px-0 w-full text-sm text-gray-900 bg-
transparent border-0 border-b-2 border-gray-300 appearance-none dark:text-
white dark:border-gray-600 dark:focus:border-blue-500 focus:outline-none
focus:ring-0 focus:border-blue-600 peer"
                placeholder=" " required />
                <label for="tanggal_pengembalian"
                    class="peer-focus:font-medium absolute text-sm text-gray-
500 dark:text-gray-400 duration-300 transform -translate-y-6 scale-75 top-3 -z-
10 origin-[0] peer-focus:start-0 rtl:peer-focus:translate-x-1/4 rtl:peer-focus:left-
auto peer-focus:text-blue-600 peer-focus:dark:text-blue-500 peer-placeholder-
shown:scale-100 peer-placeholder-shown:translate-y-0 peer-focus:scale-75
peer-focus:-translate-y-6">Tanggal
                    Pengembalian</label>
                </div>
            <div class="relative z-0 w-full mb-5 group">

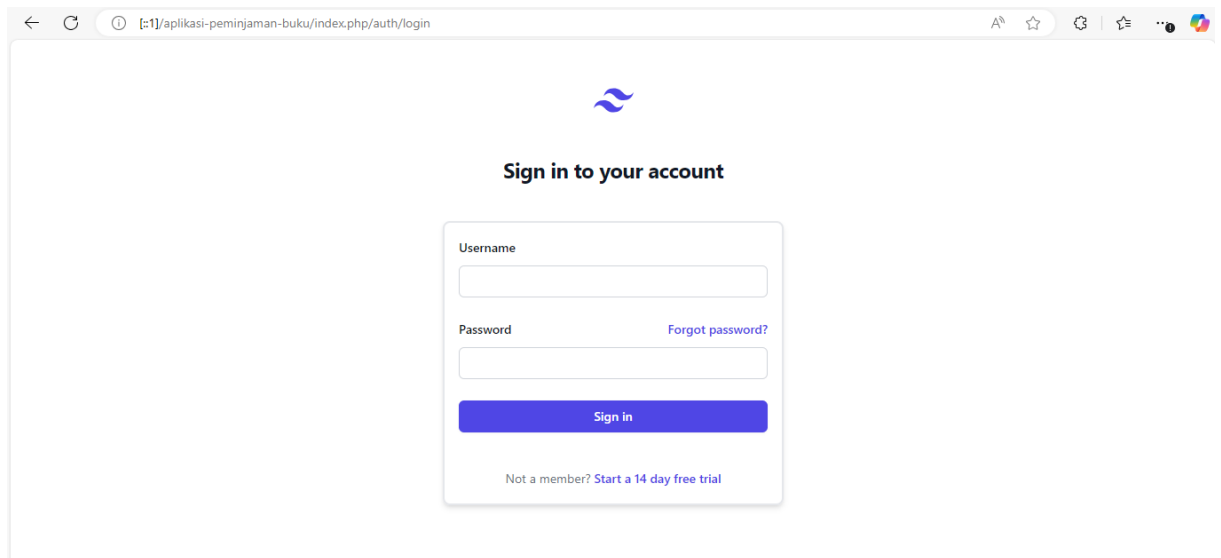
```

```
<label for="status"
      class="block mb-2 text-sm font-medium text-gray-900
dark:text-white">Status</label>
      <select id="status" name="status_peminjaman"
      class="bg-gray-50 border border-gray-300 text-gray-900 text-
sm rounded-lg focus:ring-blue-500 focus:border-blue-500 block w-full p-2.5
dark:bg-gray-700 dark:border-gray-600 dark:placeholder-gray-400 dark:text-
white dark:focus:ring-blue-500 dark:focus:border-blue-500">
          <option value="dipinjam">Dipinjam</option>
          <option value="dikembalikan">Dikembalikan</option>
      </select>
</div>


      <button type="submit"
      class="text-white bg-blue-700 hover:bg-blue-800 focus:ring-4
focus:outline-none focus:ring-blue-300 font-medium rounded-lg text-sm w-full
sm:w-auto px-5 py-2.5 text-center dark:bg-blue-600 dark:hover:bg-blue-700
dark:focus:ring-blue-800">
          Simpan
      </button>
</form>
</div>
</div>
</main>
</body>

</html>
```

- **Login**



← ↻ ⓘ [::1]/aplikasi-peminjaman-buku/index.php/auth/login



Sign in to your account

Username

Password [Forgot password?](#)

Sign in

Not a member? [Start a 14 day free trial](#)

Login Model

```
<?php

namespace App\Models;

use CodeIgniter\Model;

class AuthModel extends Model
{
    protected $table = 'admin';
    protected $primaryKey = 'id_admin';
    protected $allowedFields = ['username', 'password', 'nama_admin', ];
}
```

Login Controller

```
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class Auth extends CI_Controller {
```



```

public function __construct() {
    parent::__construct();
    $this->load->model('Admin_model');
}

public function login() {
    if ($this->session->userdata('logged_in')) {
        redirect('admin');
    }

    if ($this->input->post()) {
        $username = $this->input->post('username');
        $password = $this->input->post('password');

        $admin = $this->Admin_model->get_admin($username);

        if ($admin && password_verify($password, $admin['password'])) {
            $this->session->set_userdata([
                'logged_in' => TRUE,
                'id_admin' => $admin['id_admin'],
                'nama_admin' => $admin['nama_admin'],
            ]);
            redirect('dashboard');
        } else {
            $this->session->set_flashdata('error', 'Username atau password
salah. ');
            redirect('auth/login');
        }
    }
}

```

```

        $this->load->view('auth/login');
    }

    public function logout() {
        $this->session->unset_userdata(['logged_in', 'id_admin', 'nama_admin']);
        $this->session->sess_destroy();
        redirect('auth/login');
    }
}

```

Login index

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Belajar Tailwind</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<body>
    <!--
    This example requires updating your template:

    ...

    <html class="h-full bg-white">
    <body class="h-full">
    ...

```

```

-->
<div class="flex min-h-full flex-col justify-center px-6 py-12 lg:px-8">
  <div class="sm:mx-auto sm:w-full sm:max-w-sm">
    
    <h2 class="mt-10 text-center text-2xl/9 font-bold tracking-tight text-gray-
900">Sign in to your account</h2>
  </div>

  <div class="mt-10 sm:mx-auto sm:w-full sm:max-w-sm border-2 rounded-
lg p-4 shadow-md sm:rounded-lg">
    <form class="space-y-6" action="<?= site_url('auth/login') ?>"
method="POST">
      <div>
        <label for="username" class="block text-sm/6 font-medium text-
gray-900">Username</label>
        <div class="mt-2">
          <input type="text" name="username" id="email"
autocomplete="username" required
            class="block w-full rounded-md bg-white px-3 py-1.5 text-
base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300
placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2
focus:outline-indigo-600 sm:text-sm/6" />
        </div>
      </div>

      <div>
        <div class="flex items-center justify-between">
          <label for="password" class="block text-sm/6 font-medium text-
gray-900">Password</label>

```

```
<div class="text-sm">
  <a href="#" class="font-semibold text-indigo-600 hover:text-indigo-500">Forgot password?</a>
</div>
</div>
<div class="mt-2">
  <input type="password" name="password" id="password"
autocomplete="current-password" required
class="block w-full rounded-md bg-white px-3 py-1.5 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6" />
</div>
</div>

<div>
  <button type="submit"
class="flex w-full justify-center rounded-md bg-indigo-600 px-3 py-1.5 text-sm/6 font-semibold text-white shadow-sm hover:bg-indigo-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-indigo-600">
    Sign in
  </button>
</div>
</form>

<p class="mt-10 text-center text-sm/6 text-gray-500">
  Not a member?
  <a href="#" class="font-semibold text-indigo-600 hover:text-indigo-500">Start a 14 day free trial</a>
</p>
```

```

        </div>


    </div>

</body>



</html>

```

- **Halaman pengguna**

 Perpus

Daftar Buku

KODE BUKU	JUDUL BUKU	PENULIS	KATEGORI	STOK BUKU	FOTO
B001	Python	Fattaah	Computer	5	Tidak ada foto
B002	Java	Fattaah	Computer	3	Tidak ada foto
B003	C++	Fattaah	Computer	1	
B005	Ruby	Fattaah	Computer	10	

BukuUser Controller

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class BukuUser extends CI_Controller {

    public function __construct() {
        parent::__construct();
        $this->load->library('session'); // Memuat library session
        $this->load->model('BukuModel');
    }
}

```

```

        // Menampilkan semua data anggota
        public function index() {
            $data['buku'] = $this->BukuModel->get_all_buku();

            $this->load->view('buku/user/index', $data);
        }
    }
}

```

BukuUser index

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Data Buku</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <script
src="https://cdn.jsdelivr.net/npm/flowbite@2.5.2/dist/flowbite.min.js"></script>
</head>

<nav class="fixed top-0 z-50 w-full bg-white border-b border-gray-200 dark:bg-
gray-800 dark:border-gray-700">
    <div class="px-3 py-3 lg:px-5 lg:pl-3">
        <div class="flex items-center justify-between">

```

```

<div class="flex items-center justify-start rtl:justify-end">
  <button data-drawer-target="logo-sidebar" data-drawer-toggle="logo-
sidebar" aria-controls="logo-sidebar"
    type="button"
    class="inline-flex items-center p-2 text-sm text-gray-500 rounded-lg
sm:hidden hover:bg-gray-100 focus:outline-none focus:ring-2 focus:ring-gray-200
dark:text-gray-400 dark:hover:bg-gray-700 dark:focus:ring-gray-600">
    <span class="sr-only">Open sidebar</span>
    <svg class="w-6 h-6" aria-hidden="true" fill="currentColor"
viewBox="0 0 20 20"
      xmlns="http://www.w3.org/2000/svg">
        <path clip-rule="evenodd" fill-rule="evenodd"
          d="M2 4.75A.75.75 0 012.75 4h14.5a.75.75 0 010
1.5H2.75A.75.75 0 012 4.75zm0 10.5a.75.75 0 01.75-.75h7.5a.75.75 0 010 1.5h-
7.5a.75.75 0 01-.75-.75zM2 10a.75.75 0 01.75-.75h14.5a.75.75 0 010
1.5H2.75A.75.75 0 012 10z">
        </path>
      </svg>
    </button>
    <a href="https://flowbite.com" class="flex ms-2 md:me-24">
      
      <span
        class="self-center text-xl font-semibold sm:text-2xl whitespace-
nowrap dark:text-white">Perpus</span>
    </a>
  </div>
</div>
</nav>

```

```
<aside id="logo-sidebar"
  class="fixed top-0 bg-blue-500 left-0 z-40 w-64 h-screen pt-20 transition-
transform -translate-x-full border-r border-gray-200 sm:translate-x-0 dark:bg-
gray-800 dark:border-gray-700"
  aria-label="Sidebar">
  <div class="h-full bg-blue-500 px-3 pb-4 overflow-y-auto dark:bg-gray-800">
    <ul class="space-y-2 bg-gray-400 font-medium">

      </ul>
    </div>
  </aside>
```

```
<main>
  <div class="p-4 sm:ml-64">
    <div class="p-4 border-2 border-gray-200 border-solid rounded-lg
dark:border-gray-700 mt-14">
      <div class="font-bold text-2xl underline-offset-8">
        <h2 class="font-bold text-2xl">Daftar Buku</h2>
      </div>
      <div>
        <hr class="w-full h-1 my-3 bg-gray-200 border-0 rounded dark:bg-
black-700" width="100%" />
      </div>

      <div class="relative overflow-x-auto mb-4 mt-4 shadow-md sm:rounded-
lg">
```



```

<table class="w-full text-sm text-left rtl:text-right text-gray-500
dark:text-gray-400">

  <thead class="text-xs text-gray-700 uppercase bg-gray-50 dark:bg-
gray-700 dark:text-gray-400">

    <tr>

      <th scope="col" class="px-6 py-3">Kode Buku</th>
      <th scope="col" class="px-6 py-3">Judul Buku</th>
      <th scope="col" class="px-6 py-3">Penulis</th>
      <th scope="col" class="px-6 py-3">Kategori</th>
      <th scope="col" class="px-6 py-3">Stok Buku</th>
      <th scope="col" class="px-6 py-3">Foto</th>

    </tr>
  </thead>
  <tbody>
    <?php foreach ($buku as $row): ?>
      <tr
        class="odd:bg-white odd:dark:bg-gray-900 even:bg-gray-50
even:dark:bg-gray-800 border-b dark:border-gray-700">

        <td class="px-6 py-4"><?= $row['kode_buku']; ?></td>
        <td class="px-6 py-4"><?= $row['judul_buku']; ?></td>
        <td class="px-6 py-4"><?= $row['penulis']; ?></td>
        <td class="px-6 py-4"><?= $row['kategori']; ?></td>
        <td class="px-6 py-4"><?= $row['stok_buku']; ?></td>
        <td class="px-6 py-4">
          <?php if (!empty($row['foto'])): ?>
            " width="100">
          <?php else: ?>
            Tidak ada foto
          </td>
        </tr>
      </td>
    </tbody>
  </table>

```

```
<?php endif; ?>
</td>

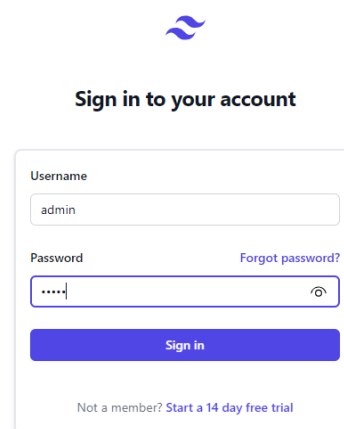
</tr>
<?php endforeach; ?>
</tbody>
</table>
</div>
</div>
</div>
</main>
</body>

</html>
```

5. Langkah- langkah menjalankan aplikasi

Admin

- Admin melakukan login yaitu dengan mengakses auth/login dan mengisi username dan password pada halaman login



Sign in to your account

Username
admin

Password [Forgot password?](#)
....

Sign in

Not a member? [Start a 14 day free trial](#)

- b. Setelah melakukan login pilih anggota dan tambahkan anggota apabila belum ada anggota dengan memilih menu create pada dropdown menu anggota

Perpus

Dashboard

Admin

Anggota

Book

Peminjaman

Input Anggota

NIS
4783204720

Nama Anggota
Fattaag

Alamat
bantul

Nomor Telepon
042834028402

Email
fth@gmail.com

Tanggal Daftar
12/24/2024

Password

Upload Foto
 Desain tanpa judul.png

- c. Kemudian pilih submit untuk menyimpan anggota simpan
- d. Selanjutnya adalah memilih menu anggota untuk melihat apakah anggota yang baru ditambahkan sudah tersimpan.

Perpus

Dashboard




Admin

Anggota

Book

Peminjaman

Anggota

NIS	NAMA	ALAMAT	NO TELEPON	EMAIL	TANGGAL DAFTAR	FOTO	ACTION
7321	admin	Sleman	089123123131	admin@gmail.com	2024-10-29	Tidak ada foto	Edit Delete
4923842	Budi	bantul	042834028402	budi@gmail.com	2024-12-24		Edit Delete
901298381	admin3	bantul	0892342424	tono@gmail.com	2024-12-10		Edit Delete
2147483647	Fattaag	bantul	042834028402	fth@gmail.com	2024-12-24		Edit Delete

- e. Setelah itu adalah memilih menu create pada dropdown menu book untuk menambahkan buku baru

Perpus

Dashboard

Admin

Anggota

Book

Peminjaman

Input Buku

Kode Buku

B005

Judul Buku

Ruby

Penulis

Fattaah

Kategori

Computer

Stok Buku

11

Upload Foto

Choose File

images.jpeg

Unggah foto buku

Simpan

Dan pilih simpan untuk menyimpan

- f. Setelah itu adalah memilih menu buku untuk melihat list buku dan buku yang baru ditambahkan

Perpus

Dashboard



Admin

Anggota

Book

Peminjaman

Daftar Buku

KODE BUKU	JUDUL BUKU	PENULIS	KATEGORI	STOK BUKU	FOTO	ACTION
B001	Python	Fattaah	Computer	5	Tidak ada foto	Edit Delete
B002	Java	Fattaah	Computer	3	Tidak ada foto	Edit Delete
B003	C++	Fattaah	Computer	1		Edit Delete
B005	Ruby	Fattaah	Computer	11		Edit Delete

- g. Selanjutnya adalah memilih menu create peminjaman apabila terdapat anggota yang ingin meminjam buku

Dashboard

Admin

Anggota

Book

Peminjaman

Peminjaman

Nama Anggota

Fattaag

Buku

Ruby

Tanggal Peminjaman

12/24/2024

Tanggal Pengembalian

01/11/2025

Status

Dipinjam

Simpan

Dan pilih simpan untuk membuat peminjaman.

h. Kemudian adalah membuka menu peminjaman untuk melihat list peminjaman buku

Dashboard

Admin

Anggota

Book








Peminjaman

Peminjaman

ID	ADMIN	ANGGOTA	BUKU	TANGGAL PEMINJAMAN	TANGGAL PENGEMBALIAN	STATUS
1	Admin	Budi	Python	2024-12-24	2024-12-28	dipinjam
2	Admin	Budi	C++	2024-12-24	2025-01-04	dipinjam
3	Admin	Budi	Java	2024-12-24	2025-01-04	dipinjam
4	Admin	admin	C++	2024-12-24	2025-01-11	dipinjam
5	Admin	admin	C++	2024-12-24	2025-01-10	dipinjam
6	Admin	Fattaag	Ruby	2024-12-24	2025-01-11	dipinjam

User

- Untuk mengakses halaman user yaitu dengan menggunakan url <http://localhost/aplikasi-peminjaman-buku/index.php/> dimana pada tampilan ini user dapat melihat list daftar buku yang tersedia

<div>  Perpus </div>																																			
<div>Daftar Buku</div> <table> <tr> <th>KODE BUKU</th><th>JUDUL BUKU</th><th>PENULIS</th><th>KATEGORI</th><th>STOK BUKU</th><th>FOTO</th></tr> <tr> <td>B001</td><td>Python</td><td>Fattaah</td><td>Computer</td><td>5</td><td>Tidak ada foto</td></tr> <tr> <td>B002</td><td>Java</td><td>Fattaah</td><td>Computer</td><td>3</td><td>Tidak ada foto</td></tr> <tr> <td>B003</td><td>C++</td><td>Fattaah</td><td>Computer</td><td>1</td><td></td></tr> <tr> <td>B005</td><td>Ruby</td><td>Fattaah</td><td>Computer</td><td>10</td><td></td></tr> </table>						KODE BUKU	JUDUL BUKU	PENULIS	KATEGORI	STOK BUKU	FOTO	B001	Python	Fattaah	Computer	5	Tidak ada foto	B002	Java	Fattaah	Computer	3	Tidak ada foto	B003	C++	Fattaah	Computer	1		B005	Ruby	Fattaah	Computer	10	
KODE BUKU	JUDUL BUKU	PENULIS	KATEGORI	STOK BUKU	FOTO																														
B001	Python	Fattaah	Computer	5	Tidak ada foto																														
B002	Java	Fattaah	Computer	3	Tidak ada foto																														
B003	C++	Fattaah	Computer	1																															
B005	Ruby	Fattaah	Computer	10																															

6. Kesimpulan dan Saran

a. Kesimpulan:

Proyek ini berhasil diselesaikan dengan mencapai tujuan utama yaitu membuat aplikasi peminjaman buku berbasis web yang memudahkan pengguna untuk melakukan peminjaman dan mengelola data peminjama buku Hasil implementasi menunjukkan bahwa aplikasi dapat mengelola data buku, pengguna, admin dan peminjaman dengan antarmuka yang mudah digunakan. Namun, terdapat beberapa tantangan, seperti pengguna tidak memiliki fitur untuk mencari buku sehingga pengguna menjadi sedikit kesuliatan dalam mencari buku.

b. Saran:

Untuk pengembangan lebih lanjut, berikut adalah saran yang dapat dipertimbangkan:

1. Tambahkan fitur pencarian buku berbasis kata kunci (judul, penulis, atau kategori) untuk memudahkan pengguna menemukan buku yang diinginkan.
2. Gunakan filter tambahan seperti genre, tahun terbit, atau status ketersediaan untuk meningkatkan pengalaman pencarian.
3. Tambahkan opsi bagi pengguna untuk menyimpan buku ke dalam daftar favorit agar mereka dapat mengaksesnya dengan mudah di kemudian hari.

Dengan penambahan fitur ini, aplikasi dapat lebih memenuhi kebutuhan pengguna dan memberikan pengalaman yang lebih baik dalam mencari dan meminjam buku.